

# American Journal of Physiology- Cell Physiology

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## INVITED REVIEW

Analysis of organ physiology in transgenic mice  
*S. Rao and A. S. Verkman*

C1

## EDITORIAL FOCUS

*Olfactory receptor neurons are complex odorant information processors. Focus on "Excitation, inhibition, and suppression by odors in isolated toad and rat olfactory receptor neurons"*

*G. Gomez*

C19

H<sub>2</sub>O<sub>2</sub>-mediated permeability: role of MAPK and occludin

*C. G. Kevil, T. Oshima, B. Alexander, L. L. Coe, and J. S. Alexander*

C21

Excitation, inhibition, and suppression by odors in isolated toad and rat olfactory receptor neurons

*M. Sanhueza, O. Schmachtenberg, and J. Bacigalupo*

C31

PKA and arachidonic acid activation of human recombinant ClC-2 chloride channels

*K. P. Tewari, D. H. Malinowska, A. M. Sherry, and J. Cuppoletti*

C40

Intracellular Ca<sup>2+</sup> stores in chemoreceptor cells of the rabbit carotid body: significance for chemoreception

*I. Vicario, A. Obeso, A. Rocher, J. R. López-Lopez, and C. González*

C51

CFTR induces the expression of DRA along with Cl<sup>-</sup>/HCO<sub>3</sub><sup>-</sup> exchange activity in tracheal epithelial cells

*V. J. Wheat, H. Shumaker, C. Burnham, G. E. Shull, J. R. Yankaskas, and M. Soleimani*

C62

Insight into the mechanism by which metoclopramide improves immune functions after trauma-hemorrhage

*M. W. Knöferl, M. K. Angele, A. Ayala, W. G. Cioffi, K. I. Bland, and I. H. Chaudry*

C72

The effect of rapamycin on single ENaC channel activity and phosphorylation in A6 cells

*G. Yue, R. S. Edinger, H.-F. Bao, J. P. Johnson, and D. C. Eaton*

C81

Sodium/calcium exchange in amphibian skeletal muscle fibers and isolated transverse tubules

*F. Cifuentes, J. Vergara, and C. Hidalgo*

C89

Antithrombin reduces leukocyte adhesion during chronic endotoxemia by modulation of the cyclooxygenase pathway

*J. N. Hoffmann, B. Vollmar, D. Inthorn, F. W. Schildberg, and M. D. Menger*

C98

Role of protein phosphatases in the activation of CFTR (ABCC7) by genistein and bromotetramisole

*J. Luo, T. Zhu, A. Evangelidis, M. D. Pato, and J. W. Hanrahan*

C108

Sucrose-stimulated subsecond transient increase in cGMP level in rat intact circumvallate taste bud cells

*V. Krizhanovsky, O. Agamy, and M. Naim*

C120

Intracellular calcium events activated by ATP in murine colonic myocytes

*O. Bayguinov, B. Hagen, A. D. Bonev, M. T. Nelson, and K. M. Sanders*

C126

Osmotically relevant membrane signaling complex: association between HB-EGF,  $\beta_1$ -integrin, and CD9 in mTAL

*D. Sheikh-Hamad, K. Youker, L. D. Truong, S. Nielsen, and M. L. Entman*

C136

Biochemical and functional characterization of intercellular adhesion and gap junctions in fibroblasts <i>K. Ko, P. Arora, W. Lee, and C. McCulloch</i>	C147
Induction of apoptosis using sphingolipids activates a chloride current in <i>Xenopus laevis</i> oocytes <i>R. Souktani, A. Berdeaux, B. Ghaleh, J. F. Giudicelli, L. Guize, J. Y. Le Heuzey, and P. Henry</i>	C158
Interaction of D-600 with the transmembrane domain of the sarcoplasmic reticulum $\text{Ca}^{2+}$ -ATPase <i>A. Ortega, V. M. Becker, R. Alvarez, J. R. Lepock, and H. Gonzalez-Serratos</i>	C166
cAMP activates an ATP-permeable pathway in neonatal rat cardiac myocytes <i>A. S. Lader, Y.-F. Xiao, C. R. O'Riordan, A. G. Prat, G. R. Jackson, Jr., and H. F. Cantiello</i>	C173
Contribution of intermediate filaments to cell stiffness, stiffening, and growth <i>N. Wang and D. Stamenović</i>	C188
ROCK mediates thrombin's endothelial barrier dysfunction <i>J. M. Carbajal, M. L. Gratrix, C.-H. Yu, and R. C. Schaeffer, Jr.</i>	C195
Cloning of murine glycosyl phosphatidylinositol anchor attachment protein, GPAA1 <i>Y. Hiroi, R. Chen, H. Sawa, T. Hosoda, S. Kudoh, Y. Kobayashi, H. Aburatani, K. Nagashima, R. Nagai, Y. Yazaki, M. E. Medof, and I. Komuro</i>	C205
Cellular energetics analysis by a mathematical model of energy balance: estimation of parameters in human skeletal muscle <i>P. Vicini and M. J. Kushmerick</i>	C213
NO regulates PDGF-induced activation of PKB but not ERK in A7r5 cells: implications for vascular growth arrest <i>L. Sandrasegarane, R. Charles, N. Bourbon, and M. Kester</i>	C225
LY-294002-inhibitable PI 3-kinase and regulation of baseline rates of $\text{Na}^{+}$ transport in A6 epithelia <i>T. G. Păunescu, B. L. Blazer-Yost, C. J. Vlahos, and S. I. Helman</i>	C236
IL-4 and IL-13 upregulate arginase I expression by cAMP and JAK/STAT6 pathways in vascular smooth muscle cells <i>L. H. Wei, A. T. Jacobs, S. M. Morris, Jr., and L. J. Ignarro</i>	C248
Tenotomy decreases reporter protein synthesis via the 3'-untranslated region of the $\beta$ -myosin heavy chain mRNA <i>W. W. Ashley, Jr. and B. Russell</i>	C257
VACM-1, a cullin gene family member, regulates cellular signaling <i>M. Burnatowska-Hledin, P. Zhao, B. Capps, A. Poel, K. Parmelee, C. Mungall, A. Sharangpani, and L. Listenberger</i>	C266

## RAPID COMMUNICATION

Force relaxes before the fall of cytosolic calcium in the photomechanical response of rat sphincter pupillae <i>A. P. Krivoshik and L. Barr</i>	C274
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## No. 2. AUGUST 2000


### EDITORIAL FOCUS

<i>Extracellular ATP-mediated propagation of <math>\text{Ca}^{2+}</math> waves. Focus on "Mechanical strain-induced <math>\text{Ca}^{2+}</math> waves are propagated via ATP release and purinergic receptor activation"</i> <i>E. M. Schwiebert</i>	C281
Focus on "Molecular markers expressed in cultured and freshly isolated interstitial cells of Cajal" <i>J. R. Grider</i>	C284

- Reversible regulation of P2Y<sub>2</sub> nucleotide receptor expression in the duct-ligated rat submandibular gland  
*J. S. Ahn, J. M. Camden, A. M. Schrader, R. S. Redman, and J. T. Turner* C286
- Mechanical strain-induced Ca<sup>2+</sup> waves are propagated via ATP release and purinergic receptor activation  
*H. Sauer, J. Hescheler, and M. Wartenberg* C295
- Role of Rho in Ca<sup>2+</sup>-insensitive contraction and paxillin tyrosine phosphorylation in smooth muscle  
*D. Mehta, D. D. Tang, M.-F. Wu, S. Atkinson, and S. J. Gunst* C308
- Low extracellular Ca<sup>2+</sup> activates a transient Cl<sup>-</sup> current in chicken ovarian granulosa cells  
*W. Qin, S. G. Rane, and E. K. Asem* C319
- Signaling mechanisms regulating bombesin-mediated AP-1 gene induction in the human gastric cancer SIIA  
*H. J. Kim, B. M. Evers, D. A. Litvak, M. R. Hellmich, and C. M. Townsend, Jr.* C326
- Functional TSH receptor in human abdominal preadipocytes and orbital fibroblasts  
*A. Bell, A. Gagnon, L. Grunder, S. J. Parikh, T. J. Smith, and A. Sorisky* C335
- Peroxyntirite-induced apoptosis involves activation of multiple caspases in HL-60 cells  
*S. Zhuang and G. Simon* C341
- Phosphatidylinositol 3-kinases regulate ERK and p38 MAP kinases in canine colonic smooth muscle  
*I. A. Yamboliev, K. M. Wiesmann, C. A. Singer, J. C. Hedges, and W. T. Gerthoffer* C352
- Expression of GFRα-1, receptor for GDNF, in rat brain capillary during postnatal development of the BBB  
*H. Utsumi, H. Chiba, Y. Kamimura, M. Osanai, Y. Igarashi, H. Tobioka, M. Mori, and N. Sawada* C361
- Clathrin in mitotic spindles  
*C. T. Okamoto, J. McKinney, and Y. Y. Jeng* C369
- Forskolin-induced apical membrane insertion of virally expressed, epitope-tagged CFTR in polarized MDCK cells  
*M. Howard, X. Jiang, D. B. Stolz, W. G. Hill, J. A. Johnson, S. C. Watkins, R. A. Frizzell, C. M. Bruton, P. D. Robbins, and O. A. Weisz* C375
- Genistein activates CFTR-mediated Cl<sup>-</sup> secretion in the murine trachea and colon  
*C. A. Goddard, M. J. Evans, and W. H. Colledge* C383
- Physiological functions of the regulatory domains of the cardiac Na<sup>+</sup>/Ca<sup>2+</sup> exchanger NCX1  
*Y. Pan, T. Iwamoto, A. Uehara, T. Y. Nakamura, I. Imanaga, and M. Shigekawa* C393
- Ca<sup>2+</sup>-dependent activation of c-jun NH<sub>2</sub>-terminal kinase in primary rabbit proximal tubule epithelial cells  
*X.-L. Cui, W.-W. Jin, Y.-X. Ding, L. D. Alexander, U. Hopfer, and J. G. Douglas* C403
- Acid incubation causes exocytic insertion of NHE3 in OKP cells  
*X. Yang, M. Amemiya, Y. Peng, O. W. Moe, P. A. Preisig, and R. J. Alpern* C410
- Characterization of outward K<sup>+</sup> currents in isolated smooth muscle cells from sheep urethra  
*M. A. Hollywood, K. D. McCloskey, N. G. McHale, and K. D. Thornbury* C420
- Aldosterone induces Ras methylation in A6 epithelia  
*N. F. Al-Baldawi, J. D. Stockand, O. K. Al-Khalili, G. Yue, and D. C. Eaton* C429
- Similarity of A<sub>3</sub>-adenosine and swelling-activated Cl<sup>-</sup> channels in nonpigmented ciliary epithelial cells  
*D. A. Carré, C. H. Mitchell, K. Peterson-Yantorno, M. Coca-Prados, and M. M. Civan* C440

- Contrasting effects of NO and peroxynitrites on HSP70 expression and apoptosis in human monocytes  
C. Adrie, C. Richter, M. Bachelet, N. Banzet, D. François, A. T. Dinh-Xuan, J. F. Dhainaut, B. S. Polla, and M.-J. Richard C452
- Pharmacological modulation of ion transport across wild-type and  $\Delta F508$  CFTR-expressing human bronchial epithelia  
D. C. Devor, R. J. Bridges, and J. M. Pilewski C461
- Actin filament disruption inhibits L-type  $Ca^{2+}$  channel current in cultured vascular smooth muscle cells  
M. Nakamura, M. Sunagawa, T. Kosugi, and N. Sperelakis C480
- VCAM-1-induced inwardly rectifying  $K^+$  current enhances  $Ca^{2+}$  entry in human THP-1 monocytes  
M. Colden-Stanfield and M. Scanlon C488
- Hypertrophic effect of selective  $\beta_1$ -adrenoceptor stimulation on ventricular cardiomyocytes from adult rat  
M. Schäfer, K. Frischkopf, G. Taimor, H. M. Piper, and K.-D. Schlüter C495
- Negative feedback regulation of activated macrophages via Fas-mediated apoptosis  
T. Niinobu, K. Fukuo, O. Yasuda, M. Tsubakimoto, M. Mogi, H. Nishimaki, S. Morimoto, and T. Ogihara C504
- ATP activates DNA synthesis by acting on P2X receptors in human osteoblast-like MG-63 cells  
E. Nakamura, Y. Uezono, K. Narusawa, I. Shibuya, Y. Oishi, M. Tanaka, N. Yanagihara, T. Nakamura, and F. Izumi C510
- Soluble P-selectin moderates complement-dependent reperfusion injury of ischemic skeletal muscle  
C. Kyriakides, S. A. Woodcock, Y. Wang, J. Favuzza, W. G. Austen, Jr., L. Kobzik, F. D. Moore, Jr., R. C. Valeri, D. Shepro, and H. B. Hechtman C520

## SPECIAL COMMUNICATION

-  Molecular markers expressed in cultured and freshly isolated interstitial cells of Cajal  
A. Epperson, W. J. Hatton, B. Callaghan, P. Doherty, R. L. Walker, K. M. Sanders, S. M. Ward, and B. Horowitz C529

## No. 3. SEPTEMBER 2000

### INVITED REVIEW

- Mechanisms of sodium pump regulation  
A. G. Therien and R. Blostein C541
- 
- Vibrio cholerae* ACE stimulates  $Ca^{2+}$ -dependent  $Cl^-/HCO_3^-$  secretion in T84 cells in vitro  
M. Trucksis, T. L. Conn, S. S. Wasserman, and C. L. Sears C577
- Selective mobilization of  $CD14^+CD16^+$  monocytes by exercise  
B. Steppich, F. Dayyani, R. Gruber, R. Lorenz, M. Mack, and H. W. L. Ziegler-Heitbrock C578
- Acute glucose-induced downregulation of PKC- $\beta$ II accelerates cultured VSMC proliferation  
M. Yamamoto, M. Acevedo-Duncan, C. E. Chalfant, N. A. Patel, J. E. Watson, and D. R. Cooper C587
- Connexin46 mutations linked to congenital cataract show loss of gap junction channel function  
J. D. Pal, X. Liu, D. Mackay, A. Shiels, V. M. Berthoud, E. C. Beyer, and L. Ebihara C596
- Two distinct inactivation processes related to phosphorylation in cardiac L-type  $Ca^{2+}$  channel currents  
S. Mitarai, M. Kaibara, K. Yano, and K. Taniyama C603

Skeletal muscle fiber quality in older men and women <i>W. R. Frontera, D. Suh, L. S. Krivickas, V. A. Hughes, R. Goldstein, and R. Roubenoff</i>	C611
Hypertonic inhibition of exocytosis in neutrophils: central role for osmotic actin skeleton remodeling <i>S. B. Rizoli, O. D. Rotstein, J. Parodo, M. J. Phillips, and A. Kapus</i>	C619
Potassium channels in basolateral membrane vesicles from <i>Necturus</i> enterocytes: stretch and ATP sensitivity <i>W. P. Dubinsky, O. Mayorga-Wark, and S. G. Schultz</i>	C634
Calpain activity in fast, slow, transforming, and regenerating skeletal muscles of rat <i>K. R. Sultan, B. T. Dittrich, and D. Pette</i>	C639
Properties and submitochondrial localization of pig and rat renal phosphate-activated glutaminase <i>B. Roberg, I. A. Torgner, J. Laake, Y. Takumi, O. P. Ottersen, and E. Kvamme</i>	C648
Functional cross talk after activation of P2 and P1 receptors in oviductal ciliated cells <i>B. Morales, N. Barrera, P. Uribe, C. Mora, and M. Villalón</i>	C658
Multilocular fat cells in WAT of CL-316243-treated rats derive directly from white adipocytes <i>J. Himms-Hagen, A. Melnyk, M. C. Zingaretti, E. Ceresi, G. Barbatelli, and S. Cinti</i>	C670
Satellite cell proliferation in low frequency-stimulated fast muscle of hypothyroid rat <i>C. T. Putman, S. Düsterhöft, and D. Pette</i>	C682
Regulation of secretion of PTHrP by $\text{Ca}^{2+}$ -sensing receptor in human astrocytes, astrocytomas, and meningiomas <i>N. Chattopadhyay, C. Evliyaoglu, O. Heese, R. Carroll, J. Sanders, P. Black, and E. M. Brown</i>	C691
gp120-induced alterations of human astrocyte function: $\text{Na}^+/\text{H}^+$ exchange, $\text{K}^+$ conductance, and glutamate flux <i>H. K. Patton, Z.-H. Zhou, J. K. Bubien, E. N. Benveniste, and D. J. Benos</i>	C700
Impairment of NF- $\kappa$ B activation and modulation of gene expression by calpastatin <i>F. Chen, L. M. Demers, V. Vallyathan, Y. Lu, V. Castranova, X. Shi</i>	C709
ATP induces dephosphorylation of myosin light chain in endothelial cells <i>T. Noll, M. Schäfer, U. Schavier-Schmitz, and H. M. Piper</i>	C717
Differential $\text{Ca}^{2+}$ sensitivity of skeletal and cardiac muscle ryanodine receptors in the presence of calmodulin <i>B. R. Fruen, J. M. Bardy, T. M. Byrem, G. M. Strasburg, and C. F. Louis</i>	C724
Multiple receptor activation elicits synergistic IP formation in nonpigmented ciliary body epithelial cells <i>M. C. Cilluffo, E. Esqueda, and N. A. Farahbakhsh</i>	C734
Differential regulation of tight junction permeability during development of the retinal pigment epithelium <i>Y. Ban and L. J. Rizzolo</i>	C744
Differences in regulation of $\text{pH}_i$ in large ( $\geq 10$ nuclei) and small ( $\leq 5$ nuclei) osteoclasts <i>R. L. Lees and J. N. M. Heersche</i>	C751
Modification of biophysical properties of lung epithelial $\text{Na}^+$ channels by dexamethasone <i>A. Lazrak, A. Samanta, K. Venetsanou, P. Barbry, and S. Matalon</i>	C762
Cloning and functional expression of human retinal Kir2.4, a pH-sensitive inwardly rectifying $\text{K}^+$ channel <i>B. A. Hughes, G. Kumar, Y. Yuan, A. Swaminathan, D. Yan, A. Sharma, L. Plumley, T. L. Yang-Feng, and A. Swaroop</i>	C771
Effects of microtubules and microfilaments on $[\text{Ca}^{2+}]_i$ and contractility in a reconstituted fibroblast fiber <i>K. Obara, K. Nobe, H. Nobe, M. S. Kolodney, P. Lanerolle, and R. J. Paul</i>	C785

- In vitro system to study realistic pulsatile flow and stretch signaling in cultured vascular cells  
*X. Peng, F. A. Recchia, B. J. Byrne, I. S. Wittstein, R. C. Ziegelstein, and D. A. Kass* C797
- Nitric oxide inhibits calpain-mediated proteolysis of talin in skeletal muscle cells  
*T. J. Koh and J. G. Tidball* C806
- A metabolic control analysis of kinetic controls in ATP free energy metabolism in contracting skeletal muscle  
*J. A. L. Jeneson, H. V. Westerhoff, and M. J. Kushmerick* C813
- Clathrin in gastric acid secretory (parietal) cells: biochemical characterization and subcellular localization  
*C. T. Okamoto, J. G. Duman, K. Tyagarajan, K. L. McDonald, Y. Y. Jeng, J. McKinney, T. M. Forte, and J. G. Forte* C833
- Elevation of resting mitochondrial membrane potential of neural cells by cyclosporin A, BAPTA-AM, and Bcl-2  
*A. J. Kowaltowski, S. S. Smaili, J. T. Russell, and G. Fiskum* C852
- Dependence of KCC2 K-Cl cotransporter activity on a conserved carboxy terminus tyrosine residue  
*K. Strange, T. D. Singer, R. Morrison, and E. Delpire* C860
- The role of hydroxyl radical as a messenger in Cr(VI)-induced p53 activation  
*S. Wang, S. S. Leonard, J. Ye, M. Ding, and X. Shi* C868

#### No. 4. OCTOBER 2000

##### INVITED REVIEW

- Mechanism and regulation of GLUT-4 vesicle fusion in muscle and fat cells  
*L. J. Foster and A. Klip* C877
- 
- Effects of dihydropyridine receptor II-III loop peptides on  $\text{Ca}^{2+}$  release in skinned skeletal muscle fibers  
*G. D. Lamb, R. El-Hayek, N. Ikemoto, and D. Stephenson* C891
- Protein kinase C- $\zeta$  mediates TNF- $\alpha$ -induced ICAM-1 gene transcription in endothelial cells  
*A. Rahman, K. N. Anwar, and A. B. Malik* C906
- The calcineurin-NFAT pathway and muscle fiber-type gene expression  
*S. J. Swoap, R. B. Hunter, E. J. Stevenson, H. M. Felton, N. V. Kansagra, J. M. Lang, K. A. Esser, and S. C. Kandarian* C915
- Heterologous desensitization of response mediated by selective PKC-dependent phosphorylation of  $\text{G}_{i-1}$  and  $\text{G}_{i-2}$   
*K. S. Murthy, J. R. Grider, and G. M. Makhoulouf* C925
- EGF stimulation of rabbit ileal NaCl absorption is dependent on activation of brush border c-Src  
*M. Donowitz, R. Patterson, X. Li, M. Sudol, and S. Khurana* C935
- Influence of lipoxin  $\text{A}_4$  and other lipoxygenase-derived eicosanoids on tissue factor expression  
*P. Maderna, C. Godson, G. Hannify, M. Murphy, and H. R. Brady* C945
- Effect of antioxidant protection by *p*-coumaric acid on low-density lipoprotein cholesterol oxidation  
*L.-Y. Zang, G. Cosma, H. Gardner, X. Shi, V. Castranova, and V. Vallyathan* C954
- Nitric oxide inhibits chondrocyte response to IGF-I: inhibition of IGF-IR $\beta$  tyrosine phosphorylation  
*R. K. Studer, E. Levicoff, H. Georgescu, L. Miller, D. Jaffurs, and C. H. Evans* C961



Adaptation and survival of surface-deprived red blood cells in mice <i>R. C. Murdock, C. Reynolds, I. H. Sarelius, and R. E. Waugh</i>	C970
Oxidants and regulation of $K^+-Cl^-$ cotransport in equine red blood cells <i>M. C. Muzyamba, P. F. Speake, and J. S. Gibson</i>	C981
Volume overload cardiac hypertrophy exhibits decreased expression of $G_{s\alpha}$ and not of $G_{i\alpha}$ in heart <i>F. Di Fusco, S. Hashim, and M. B. Anand-Srivastava</i>	C990
Increased migration in late $G_1$ phase in cultured smooth muscle cells <i>R. Fukui, M. Amakawa, M. Hoshiga, N. Shibata, E. Kohbayashi, M. Seto, Y. Sasaki, T. Ueno, N. Negoro, T. Nakakoji, M. Ii, F. Nishiguchi, T. Ishihara, and N. Ohsawa</i>	C999
Decreased adenylyl cyclase protein and function in airway smooth muscle by chronic carbachol pretreatment <i>C. W. Emala, J. Clancy-Keen, and C. A. Hirshman</i>	C1008
Functional and molecular characterization of an anion exchanger in airway serous epithelial cells <i>J. Loffing, B. D. Moyer, D. Reynolds, B. E. Shmukler, S. L. Alper, and B. A. Stanton</i>	C1016
EGF inhibits muscarinic receptor-mediated calcium signaling in a human salivary cell line <i>B.-X. Zhang, C.-K. Yeh, T. K. Hymer, M. D. Lifschitz, and M. S. Katz</i>	C1024
Expression of the TGF- $\beta$ receptor gene and sensitivity to growth inhibition following polyamine depletion <i>J. N. Rao, L. Li, B. L. Bass, and J.-Y. Wang</i>	C1034
p27 <sup>Kip1</sup> is an inducer of intestinal epithelial cell differentiation <i>A. Quaroni, J. Q. Tian, P. Seth, and C. Ap Rhys</i>	C1045
Intra- and extracellular measurement of reactive oxygen species produced during heat stress in diaphragm muscle <i>L. Zuo, F. L. Christofi, V. P. Wright, C. Y. Liu, A. J. Merola, L. J. Berliner, and T. L. Clanton</i>	C1058
Conformational modulation of slow skeletal muscle troponin T by an $NH_2$ -terminal metal-binding extension <i>J.-P. Jin, A. Chen, O. Ogut, and Q.-Q. Huang</i>	C1067
Alterations in expression of myosin and myosin light chain kinases in response to vascular injury <i>P. J. Gallagher, Y. Jin, G. Killough, E. K. Blue, and V. Lindner</i>	C1078
Evidence against the acidification hypothesis in cystic fibrosis <i>G. A. Gibson, W. G. Hill, and O. A. Weisz</i>	C1088
Nitric oxide-dependent downregulation of adipocyte UCP-2 expression by tumor necrosis factor- $\alpha$ <i>C. Merial, A. Bouloumie, V. Trocheris, M. Lafontan, and J. Galitzky</i>	C1100
Potent inhibition of the aortic smooth muscle maxi-K channel by clinical doses of ethanol <i>F. S. Walters, M. Covarrubias, and J. S. Ellingson</i>	C1107
Desmin knockout muscles generate lower stress and are less vulnerable to injury compared with wild-type muscles <i>M. Sam, S. Shah, J. Fridén, D. J. Milner, Y. Capetanaki, and R. L. Lieber</i>	C1116
Upregulation of Kv1.3 $K^+$ channels in microglia deactivated by TGF- $\beta$ <i>T. Schilling, F. N. Quandt, V. V. Cherny, W. Zhou, U. Heinemann, T. E. Decoursey, and C. Eder</i>	C1123
Cloning and characterization of a type III Na-dependent phosphate cotransporter from mouse intestine <i>L. Bai, J. F. Collins, and F. K. Ghishan</i>	C1135

- Volume-regulated chloride conductance in the LNCaP human prostate cancer cell line  
*Y. M. Shuba, N. Prevarskaya, L. Lemonnier, F. Van Coppenolle, P. G. Kostyuk, B. Mauroy, and R. Skryma* C1144
- Cyclic stretch activates p38 SAPK2-, ErbB2-, and AT1-dependent signaling in bladder smooth muscle cells  
*H. T. Nguyen, R. M. Adam, S. H. Bride, J. M. Park, C. A. Peters, and M. R. Freeman* C1155
- Adaptive responses to peroxynitrite: increased glutathione levels and cystine uptake in vascular cells  
*B. J. Buckley and A. Whorton* C1168
- Exocytosis and movement of zymogen granules observed by VEC-DIC microscopy in the pancreatic tissue en bloc  
*Y. Ishihara, T. Sakurai, T. Kimura, and S. Terakawa* C1177
- Expression of P2X<sub>7</sub> purinoceptors on human lymphocytes and monocytes: evidence for nonfunctional P2X<sub>7</sub> receptors  
*B. J. Gu, W. Y. Zhang, L. J. Bendall, I. P. Chessell, G. N. Buell, and J. S. Wiley* C1189
- Splice variants of a ClC-2 chloride channel with differing functional characteristics  
*L. P. Cid, M.-I. Niemeyer, A. Ramirez, and F. V. Sepúlveda* C1198
- Effects of fatty acids on BK channels in GH<sub>3</sub> cells  
*D. D. Denson, X. Wang, R. T. Worrell, and D. C. Eaton* C1211
- Bioenergetics and mitochondrial transmembrane potential during differentiation of cultured osteoblasts  
*S. V. Komarova, F. I. Ataullakhanov, and R. K. Globus* C1220
- Expression and regulation of parathyroid hormone-related peptide in normal and malignant melanocytes  
*K. Abdaimi, V. Papavasiliou, D. Goltzman, and R. Kremer* C1230
- Transport and function of syntaxin 3 in human epithelial intestinal cells  
*L. Breuza, J. Fransen, and A. Le Bivic* C1239
- 15(S)-HETE modulates LTB<sub>4</sub> production and neutrophil chemotaxis in chronic bronchitis  
*M. Profita, A. Sala, L. Riccobono, E. Pace, A. Paternò, S. Zarini, L. Siena, A. Mirabella, G. Bonsignore, and A. M. Vignola* C1249
- Sterol carrier protein-2 localization in endoplasmic reticulum and role in phospholipid formation  
*O. Starodub, C. A. Jolly, B. P. Atshaves, J. B. Roths, E. J. Murphy, A. B. Kier, and F. Schroeder* C1259

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## SPECIAL COMMUNICATIONS

- Modeling ischemia in vitro: selective depletion of adenine and guanine nucleotide pools  
*P. C. Dagher* C1270
- Excitation wavelengths for fura 2 provide a linear relationship between [Ca<sup>2+</sup>] and fluorescence ratio  
*B. M. Palmer and R. L. Moore* C1278

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## RAPID COMMUNICATIONS

- Myosin light chain kinase transference induces myosin light chain activation and endothelial hyperpermeability  
*J. H. Tinsley, P. De Lanerolle, E. Wilson, W. Ma, and S. Y. Yuan* C1285
- Contraction-induced injury to single permeabilized muscle fibers from *mdx*, transgenic *mdx*, and control mice  
*G. S. Lynch, J. A. Rafael, J. S. Chamberlain, and J. A. Faulkner* C1290



## INVITED REVIEW

- Role of thyroglobulin endocytic pathways in the control of thyroid hormone release  
*M. Marinò and R. T. McCluskey* C1295
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- Intracellular ATP slows time-dependent decline of muscarinic cation current in guinea pig ileal smooth muscle  
*R. Inoue and Y. Ito* C1307
- Sch-28080 depletes intracellular ATP selectively in mIMCD-3 cells  
*J. Codina, J. Cardwell, J. J. Gitomer, Y. Cui, B. C. Kone, and T. D. Dubose, Jr.* C1319
- Ca<sup>2+</sup>-activated Cl<sup>-</sup> current in sheep lymphatic smooth muscle  
*H. M. Toland, K. D. McCloskey, K. D. Thornbury, N. G. McHale, and M. A. Hollywood* C1327
- Voltage dependence of L-arginine transport by hCAT-2A and hCAT-2B expressed in oocytes from *Xenopus laevis*  
*H. Nawrath, J. W. Wegener, J. Rupp, A. Habermeyer, and E. I. Closs* C1336
- Substrate flexibility regulates growth and apoptosis of normal but not transformed cells  
*H.-B. Wang, M. Dembo, and Y.-L. Wang* C1345
- A K<sub>ATP</sub> channel deficiency affects resting tension, not contractile force, during fatigue in skeletal muscle  
*B. Gong, T. Miki, S. Seino, and J. M. Renaud* C1351
- Overexpression of fructose 2,6-bisphosphatase decreases glycolysis and delays cell cycle progression  
*J. X. Perez, T. Roig, A. Manzano, M. Dalmau, J. Boada, F. Ventura, J. L. Rosa, J. Bermudez, and R. Bartrons* C1359
- H<sub>2</sub>O<sub>2</sub> and ethanol act synergistically to gate ryanodine receptor/calcium-release channel  
*T. Oba, T. Ishikawa, T. Murayama, Y. Ogawa, and M. Yamaguchi* C1366
- Mechanical signals and mechanosensitive modulation of intracellular [Ca<sup>2+</sup>] in smooth muscle  
*S. S. An and C.-M. Hai* C1375
- Effect of HCO<sub>3</sub><sup>-</sup> on TPA- and IBMX-induced anion conductances in *Necturus* gallbladder epithelial cells  
*P. Lyall, W. Mcd. Armstrong, and V. Lyall* C1385
- Tom20-mediated mitochondrial protein import in muscle cells during differentiation  
*J. Y. Grey, M. K. Connor, J. W. Gordon, M. Yano, M. Mori, and D. A. Hood* C1393
- A hyperpolarization- and acid-activated nonselective cation current in *Xenopus* oocytes  
*A. Kuruma, Y. Hirayama, and H. Hartzell* C1401
- The Egr-1 gene is induced by epidermal growth factor in ECV304 cells and primary endothelial cells  
*J. C. Tsai, L. Liu, J. Guan, and W. C. Aird* C1414
- Molecular characterization of a novel UT-A urea transporter isoform (UT-A5) in testis  
*R. A. Fenton, A. Howorth, G. J. Cooper, R. Meccariello, I. D. Morris, and C. P. Smith* C1425
- Agonist-induced isometric contraction of smooth muscle cell-populated collagen gel fiber  
*K. Oishi, Y. Itoh, Y. Isshiki, C. Kai, Y. Takeda, K. Yamaura, H. Takano-Ohmuro, and M. K. Uchida* C1432
- Hyposmolality stimulates Na<sup>+</sup>/H<sup>+</sup> exchange and HCO<sub>3</sub><sup>-</sup> absorption in thick ascending limb via PI 3-kinase  
*D. W. Good, J. F. Di Mari, and B. A. Watts III* C1443

- Impaired  $G_{\alpha}$  and adenylyl cyclase cause  $\beta$ -adrenoceptor desensitization in chronically hypoxic rat hearts  
J.-M. Pei, X.-C. Yu, M.-L. Fung, J.-J. Zhou, C.-S. Cheung, N.-S. Wong, M.-P. Leung, and T.-M. Wong C1455
- Molecular determinants for the distinct pH sensitivity of Kir1.1 and Kir4.1 channels  
H. Xu, Z. Yang, N. Cui, L. R. Giwa, L. Abdulkadir, M. Patel, P. Sharma, G. Shan, W. Shen, and C. Jiang C1464
- Differential expression of cell-cell adhesion proteins and cyclin D in MEK1-transdifferentiated MDCK cells  
I. Marschitz, J. Lechner, I. Mosser, M. Dander, R. Montesano, and H. Schramek C1472
- Impaired  $[Ca^{2+}]_i$  and  $pH_i$  responses to  $\kappa$ -opioid receptor stimulation in the heart of chronically hypoxic rats  
J.-M. Pei, J.-J. Zhou, J.-S. Bian, X.-C. Yu, M.-L. Fung, and T.-M. Wong C1483
- Calcium regulates estrogen-increase in permeability of cultured CaSki epithelium by eNOS-dependent mechanism  
G. I. Gorodeski C1495
- Phenylarsine oxide inhibits heat shock protein 70 induction in cultured guinea pig gastric mucosal cells  
K. Rokutan, M. Miyoshi, S. Teshima, T. Kawai, T. Kawahara, and K. Kishi C1506
- Regulation of  $Na^+K^+$ -ATPase by cAMP-dependent protein kinase anchored on membrane via its anchoring protein  
K. Kurihara, N. Nakanishi, and T. Ueha C1516
- Differential regulation of  $Ca^{2+}$  sparks and  $Ca^{2+}$  waves by UTP in rat cerebral artery smooth muscle cells  
J. H. Jaggar and M. T. Nelson C1528
- Sustained membrane depolarization and pulmonary artery smooth muscle cell proliferation  
O. Platoshyn, V. A. Golovina, C. L. Bailey, A. Limsuwan, S. Krick, M. Juhaszova, J. E. Seiden, L. J. Rubin, and J. X.-J. Yuan C1540
- Distinct mechanisms of action of selective estrogen receptor modulators in breast and osteoblastic cells  
M. E. Nuttall, G. B. Stroup, P. W. Fisher, D. P. Nadeau, M. Gowen, and L. J. Suva C1550
- Effects of unweighting and clenbuterol on myosin light and heavy chains in fast and slow muscles of rat  
L. Stevens, C. Firinga, B. Gohlsch, B. Bastide, Y. Mounier, and D. Pette C1558
- MHC isoform composition and  $Ca^{2+}$ - or  $Sr^{2+}$ -activation properties of rat skeletal muscle fibers  
S. K. Bortolotto, M. Cellini, D. G. Stephenson, and G. M. M. Stephenson C1564
- Expression of nucleotide-regulated  $Cl^-$  currents in CF and normal mouse tracheal epithelial cell lines  
E. J. Thomas, S. E. Gabriel, M. Makhlin, S. P. Hardy, and M. I. Lethem C1578
- Amino acid deprivation induces translation of branched-chain  $\alpha$ -ketoacid dehydrogenase kinase  
C. B. Doering and D. J. Danner C1587
- $Ca^{2+}$ -ATPase protein expression in mammary tissue  
T. A. Reinhardt, A. G. Filoteo, J. T. Penniston, and R. L. Horst C1595
- Endogenous nitric oxide is implicated in the regulation of lipolysis through antioxidant-related effect  
N. Gaudiot, C. Ribière, A.-M. Jaubert, and Y. Giudicelli C1603
- Role of MARCKS in regulating endothelial cell proliferation  
Y. Zhao, B. S. Neltner, and H. W. Davis C1611
- Cation transport and cell volume changes in maturing rat reticulocytes  
H. Mairbäurl, S. Schulz, and J. F. Hoffman C1621
- In squid nerves intracellular  $Mg^{2+}$  promotes deactivation of the ATP upregulated  $Na^+/Ca^{2+}$  exchanger  
R. Dipolo, G. Berberian, and L. Beaugé C1631

- Elevated ceramide is downstream of altered calcium homeostasis in low serum-induced apoptosis  
*S. Jayadev, J. Barrett, and E. Murphy* C1640
- Expression and localization of  $\text{Na}^+\text{-HCO}_3^-$  cotransporter in bovine corneal endothelium  
*X. C. Sun, J. A. Bonanno, S. Jelamskii, and Q. Xie* C1648
- Smooth muscle myosin light chain kinase expression in cardiac and skeletal muscle  
*B. P. Herring, Shelley Dixon, and P. J. Gallagher* C1656
- $\beta$ -Adrenergic receptor/cAMP-mediated signaling and apoptosis of S49 lymphoma cells  
*L. Yan, V. Herrmann, J. K. Hofer, and P. A. Insel* C1665

## No. 6. DECEMBER 2000

### EDITORIAL FOCUS

*Chloride channels and tight junctions.* Focus on "Expression of the chloride channel ClC-2 in the murine small intestine epithelium"

*K. L. Kirk* C1675

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Mechanisms leading to restoration of muscle size with exercise and transplantation after spinal cord injury

*E. E. Dupont-Versteegden, R. J. L. Murphy, J. D. Houle, C. M. Gurley, and C. A. Peterson* C1677

Carbachol inhibits  $\text{Na}^+\text{-K}^+\text{-ATPase}$  activity in choroid plexus via stimulation of the NO/cGMP pathway

*D. Z. Ellis, J. A. Nathanson, and K. J. Sweadner* C1685

Stimulation of unitary T-type  $\text{Ca}^{2+}$  channel currents by calmodulin-dependent protein kinase II

*P. Q. Barrett, H.-K. Lu, R. Colbran, A. Czernik, and J. J. Pancrazio* C1694

Postnatal expression and activity of the mitochondrial 2-oxoglutarate-malate carrier in intact hearts

*J. L. Griffin, J. M. O'Donnell, L. T. White, R. J. Hajjar, and E. D. Lewandowski* C1704

Regulation of  $\text{Na}^+\text{-K}^+\text{-Cl}^-$  cotransporter in primary astrocytes by dibutyryl cAMP and high  $[\text{K}^+]_o$

*G. Su, R. A. Haworth, R. J. Dempsey, and D. Sun* C1710

Determinants of the contractile properties in the embryonic chicken gizzard and aorta

*O. Ogut and F. V. Brozovich* C1722

Characterization of huJAM: evidence for involvement in cell-cell contact and tight junction regulation

*T. W. Liang, R. A. DeMarco, R. J. Mrsny, A. Gurney, A. Gray, J. Hooley, H. L. Aaron, A. Huang, T. Klassen, D. B. Tumas, and S. Fong* C1733

Role of aquaporin water channels in pleural fluid dynamics

*Y. Song, B. Yang, M. A. Matthay, T. Ma, and A. S. Verkman* C1744

$\text{BK}_{\text{Ca}}$  channel activation by membrane-associated cGMP kinase may contribute to uterine quiescence in pregnancy

*X.-B. Zhou, G.-X. Wang, P. Ruth, B. Hüneke, and M. Korth* C1751

Epinephrine correction of impaired platelet thromboxane receptor signaling

*P. C. Dunlop, L. A. Leis, and G. J. Johnson* C1760

$\beta$ -Amyloid-induced migration of monocytes across human brain endothelial cells involves RAGE and PECAM-1

*R. Giri, Y. Shen, M. Stins, S. D. Yan, A. M. Schmidt, D. Stern, K.-S. Kim, B. Zlokovic, and V. K. Kalra* C1772

Riboflavin transport by isolated perfused rabbit renal proximal tubules

*N. Yanagawa, R. N. G. Shih, O. D. Jo, and H. M. Said* C1782

Expression of the chloride channel ClC-2 in the murine small intestine epithelium <i>K. Gyömörey, H. Yeger, C. Ackerley, E. Garami, and C. E. Bear</i>	C1787
Ca <sup>2+</sup> current activity decreases during meiotic progression in bovine oocytes <i>E. Tosti, R. Boni, and A. Cuomo</i>	C1795
Formation of sarcomeres in developing myotubes: role of mechanical stretch and contractile activation <i>P. G. De Deyne</i>	C1801
Dopamine-induced translocation of protein kinase C isoforms visualized in renal epithelial cells <i>S. Nowicki, M. S. Kruse, H. Brismar, and A. Aperia</i>	C1812
Cell cycle-related changes in transient K <sup>+</sup> current density in the GH3 pituitary cell line <i>A. Czarnecki, S. Vaur, L. Dufy-Barbe, B. Dufy, and L. Bresson-Bepoldin</i>	C1819
Arginine transport through system y <sup>+</sup> L in cultured human fibroblasts: normal phenotype of cells from LPI subjects <i>V. Dall'Asta, O. Bussolati, R. Sala, B. M. Rotoli, G. Sebastio, M. P. Sperandio, G. Andria, and G. C. Gazzola</i>	C1829
Structural determinants for activation and block of CFTR-mediated chloride currents by apigenin <i>B. Illek, M. E. Lizarzaburu, V. Lee, M. H. Nantz, M. J. Kurth, and H. Fischer</i>	C1838
ATP and $\beta$ -adrenergic stimulation enhance voltage-gated K current inactivation in brown adipocytes <i>S. M. Wilson, S. C. Lee, S. Shook, and P. A. Pappone</i>	C1847
15-Deoxy- $\Delta^{12,14}$ -prostaglandin J <sub>2</sub> facilitates thyroglobulin production by cultured human thyrocytes <i>K. Kasai, N. Banba, A. Hishinuma, M. Matsumura, H. Kakishita, M. Matsumura, S. Motohashi, N. Sato, and Y. Hattori</i>	C1859
Guanine nucleotide transport by atractyloside-sensitive and -insensitive carriers in isolated heart mitochondria <i>E. E. McKee, A. T. Bentley, R. M. Smith, Jr., J. R. Kraas, and C. E. Ciaccio</i>	C1870
Shear stress induces iNOS expression in cultured smooth muscle cells: role of oxidative stress <i>W. Gosgnach, D. Messika-Zeitoun, W. Gonzalez, M. Philipe, and J.-B. Michel</i>	C1880
Adaptive regulation of intestinal folate uptake: effect of dietary folate deficiency <i>H. M. Said, N. Chatterjee, R. ul Haq, V. S. Subramanian, A. Ortiz, L. H. Matherly, F. M. Sirotnak, C. Halsted, and S. A. Rubin</i>	C1889
Regulation of the epithelial Na <sup>+</sup> channel by extracellular acidification <i>M. S. Awayda, M. J. Boudreaux, R. L. Reger, and L. L. Hamm</i>	C1896
Inhibition of growth hormone action in models of inflammation <i>P. L. Bergad, S. J. Schwarzenberg, J. T. Humbert, M. Morrison, S. Amarasinghe, H. C. Towle, and S. A. Berry</i>	C1906
Transepithelial resistance can be regulated by the intestinal brush-border Na <sup>+</sup> /H <sup>+</sup> exchanger NHE3 <i>J. R. Turner, E. D. Black, J. Ward, C.-M. Tse, F. A. Uchwat, H. A. Alli, M. Donowitz, J. L. Madara, and J. M. Angle</i>	C1918
Properties of CFTR activated by the xanthine derivative X-33 in human airway Calu-3 cells <i>L. Bulteau, R. Dérand, Y. Mettrey, T. Métayé, M. R. Morris, C. M. McNeilly, C. Folli, L. J. V. Galletta, O. Zegarra-Moran, M. M. C. Pereira, C. Jouglu, R. L. Dormer, J.-M. Vierfond, M. Joffre, and F. Becq</i>	C1925
Guanylyl cyclase stimulatory coupling to K <sub>Ca</sub> channels <i>M. Nara, P. D. K. Dhulipala, G. J. Ji, U. R. Kamasani, Y.-X. Wang, S. Matalon, and M. I. Kotlikoff</i>	C1938
Nitrite uptake and metabolism and oxidant stress in human erythrocytes <i>J. M. May, Z.-C. Qu, L. Xia, and C. E. Cobb</i>	C1946
Sodium gradient-dependent transport of magnesium in rat ventricular myocytes <i>M. Tashiro and M. Konishi</i>	C1955

- Species-specific difference in distribution of voltage-gated L-type  $\text{Ca}^{2+}$  channels of cardiac myocytes  
Y. Takagishi, K. Yasui, N. J. Severs, and Y. Murata C1963
- Peroxynitrite attenuates hepatic ischemia-reperfusion injury  
P. Liu, B. Xu, J. Quilley, and P. Y.-K. Wong C1970
- Protein kinase C contributes to desensitization of ANG II signaling in adult rat cardiac fibroblasts  
J. G. Meszaros, R. Raphael, F. M. Lio, and L. L. Brunton C1978
- CCK receptor phosphorylation exposes regulatory domains affecting phosphorylation and receptor trafficking  
R. V. Rao, E. L. Holicky, S. M. Kuntz, and L. J. Miller C1986
- Activation of pancreatic acinar cells on isolation from tissue: cytokine upregulation via p38 MAP kinase  
T. A. Blinman, I. Gukovsky, M. Mouria, V. Zaninovic, E. Livingston, S. J. Pandol, and A. S. Gukovskaya C1993
- Severe hypoxemia in the absence of blood loss causes a gender dimorphic immune response  
M. W. Knöferl, D. Jarrar, M. G. Schwacha, M. K. Angele, W. G. Cioffi, K. I. Bland, and I. H. Chaudry C2004
- Serine phosphorylation of p60 tumor necrosis factor receptor by PKC- $\delta$  in TNF- $\alpha$ -activated neutrophils  
L. E. Kilpatrick, Y.-H. Song, M. W. Rossi, and H. M. Korchak C2011
- Requirement of cortical actin organization for bombesin, endothelin, and EGF receptor internalization  
J. Lunn, H. Wong, E. Rozengurt, and J. H. Walsh C2019
- cGMP-dependent ADP depolymerization of actin mediates estrogen increase in cervical epithelial permeability  
G. I. Gorodeski C2028
- Regulation of the insulin and asialoglycoprotein receptors via cGMP-dependent protein kinase  
L. A. de la Vega and R. J. Stockert C2037

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## RAPID COMMUNICATION

- Interleukin-1 $\beta$  induces apoptosis in GL15 glioblastoma-derived human cell line  
E. Castigli, C. Arcuri, L. Giovagnoli, R. Luciani, L. Giovagnoli, T. Secca, G. L. Gianfranceschi, and V. Bocchini C2043

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## COMMENTARY

- Model organisms: comparative physiology or just physiology?  
K. Strange C2050

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## SPECIAL TOPICS

- Model Organisms: New Insights Into Ion Channel and Transporter Function.*  
*Caenorhabditis elegans* ClC-type chloride channels: novel variants and functional expression  
K. Nehrkke, T. Begenisich, J. Pilato, and J. E. Melvin C2052